

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/JP2006/313437

## A. CLASSIFICATION OF SUBJECT MATTER

INV. A61P9/10 A61P25/00 A61P25/28 A61K31/202 A61K31/232  
A61K31/355 A61K45/06 A61K31/66 A23L1/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K A61P A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | WO 2004/028529 A (SUNTORY LTD [JP];<br>AKIMOTO KENGO [JP]; KOGA YOSHIHIKO [JP])<br>8 April 2004 (2004-04-08)<br>page 2, lines 5-13<br>pages 22-30; examples 1-8<br>claims 1,2,7,15,19,21,28-31 | 1-20                  |
| X         | EP 1 419 768 A1 (SUNTORY LTD [JP])<br>19 May 2004 (2004-05-19)<br>paragraph [0001]<br>page 1, lines 32-34<br>claims 1,2,6,7,9,10,13,18-20,27-30,34<br>-/-                                      | 1-20                  |

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*S\* document member of the same patent family

Date of the actual completion of the international search

22 January 2007

Date of mailing of the international search report

31/01/2007

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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|-----------|--|-----------------------------|
| X         | CA 2 512 133 A1 (SUNTORY LTD [JP])<br>6 May 2005 (2005-05-06)<br><br>page 1, lines 19,20<br>claims 1-3,8,12-14,18,20,22-24,28<br>pages 19-26; examples 1-5   | 1-3,5-9,<br>12,13,<br>16-20 |
| X         | WO 2005/037848 A2 (ENZYMOTEC LTD [IL]; BEN<br>DROR GAI [IL]; PLATT DORIT [IL]; FARKASH<br>ORLY) 28 April 2005 (2005-04-28)<br>claims 1-4,7,8,16,19,20,27-31  | 1-3,<br>8-10,<br>15-20      |
| X         | DATABASE WPI Week 200064<br>Derwent Publications Ltd., London, GB; AN<br>2000-658544<br>XP002410776<br>& JP 2000 239168 A (BIZEN KASEI KK)<br>5 September 2000 (2000-09-05)<br>abstract  | 1-4,<br>12-18               |
| X         | CHOI-KWON SMI ET AL: "Temporal changes in<br>cerebral antioxidant enzyme activities<br>after ischemia and reperfusion in a rat<br>focal brain ischemia model: effect of<br>dietary fish oil"<br>DEVELOPMENTAL BRAIN RESEARCH,<br>vol. 152, no. 1,<br>18 August 2004 (2004-08-18), pages 11-18,<br>XP007901417<br>ISSN: 0165-3806<br>the whole document | 1,12,<br>15-18              |
| X         | WO 03/092673 A (PRONOVA BIO CARE AS [NO];<br>CALDER PHILIP [GB]; GRIMBLE ROBERT [GB];<br>GALL) 13 November 2003 (2003-11-13)<br>claims 1,6,10,13   | 1,2,12,<br>13,15,17         |
| P,X       | WO 2006/030552 A (SUNTORY LTD [JP];<br>SAKAKIBARA MANABU [JP]; ISHIKURA YOSHIYUKI<br>[JP]) 23 March 2006 (2006-03-23)<br>pages 19-25; examples 1-6<br>claims   | 1-20                        |
| P,X       | WO 2005/072306 A2 (MARTEK BIOSCIENCES CORP<br>[US]; MORSEMAN JOHN P [US]; MOSS MARK W<br>[US];) 11 August 2005 (2005-08-11)<br>the whole document  | 1-20                        |

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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|-----------|--|-----------------------|
| T         | <p>KOTANI ET AL: "Dietary supplementation of arachidonic and docosahexaenoic acids improves cognitive dysfunction"<br/>NEUROSCIENCE RESEARCH, ELSEVIER, SHANNON, IR,<br/>vol. 56, no. 2, October 2006 (2006-10),<br/>pages 159-164, XP005657071<br/>ISSN: 0168-0102<br/>the whole document</p> | 1-20                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/JP2006/313437

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s)  | Publication<br>date  |
|---|----|---------------------|---|--|
| WO 2004028529                             | A  | 08-04-2004          | AU 2003267818 A1<br>CA 2499902 A1<br>CN 1684677 A<br>EP 1542670 A1<br>JP 2006502196 T<br>KR 20050055726 A<br>US 2006057185 A1 | 19-04-2004<br>08-04-2004<br>19-10-2005<br>22-06-2005<br>19-01-2006<br>13-06-2005<br>16-03-2006 |
| EP 1419768                                | A1 | 19-05-2004          | CA 2456049 A1<br>CN 1561206 A<br>WO 03013497 A1<br>JP 2003048831 A<br>US 2004266874 A1  | 20-02-2003<br>05-01-2005<br>20-02-2003<br>21-02-2003<br>30-12-2004                             |
| CA 2512133                                | A1 | 06-05-2005          | AU 2004283610 A1<br>CN 1723016 A<br>EP 1679068 A1<br>JP 2005132758 A<br>WO 2005039559 A1<br>US 2006088573 A1                  | 06-05-2005<br>18-01-2006<br>12-07-2006<br>26-05-2005<br>06-05-2005<br>27-04-2006               |
| WO 2005037848                             | A2 | 28-04-2005          | AU 2004282006 A1<br>BR PI0415744 A<br>CA 2542504 A1<br>CN 1897955 A<br>EP 1689413 A2<br>KR 20060094526 A                      | 28-04-2005<br>19-12-2006<br>28-04-2005<br>17-01-2007<br>16-08-2006<br>29-08-2006               |
| JP 2000239168                             | A  | 05-09-2000          | NONE  |  |
| WO 03092673                               | A  | 13-11-2003          | AU 2003229993 A1<br>BR 0309740 A<br>CA 2485116 A1<br>CN 1665496 A<br>EP 1501493 A1<br>JP 2005529903 T                         | 17-11-2003<br>22-02-2005<br>13-11-2003<br>07-09-2005<br>02-02-2005<br>06-10-2005               |
| WO 2006030552                             | A  | 23-03-2006          | JP 2006083136 A   | 30-03-2006   |
| WO 2005072306                             | A2 | 11-08-2005          | AU 2005208832 A1<br>CA 2551882 A1<br>EP 1713463 A2  | 11-08-2005<br>11-08-2005<br>25-10-2006   |